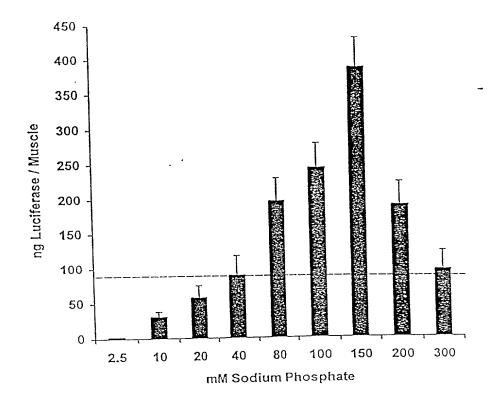
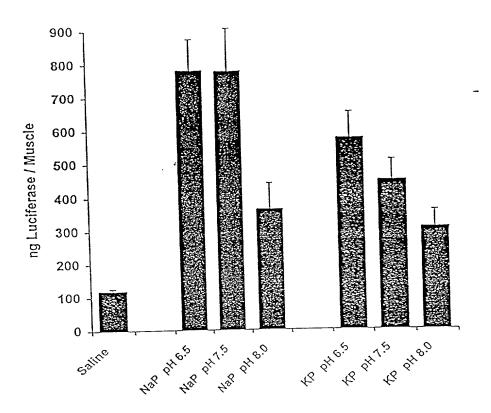
	Plasmid Name	GENE	Parental Plasmid	Promoter/ Enhancer	Terminator
	VR1223	Firefly Lux	VR1012*	CMV	BGH
	VR1412	Bacterial LacZ	VR1012*	CMV	BGH
	VR2901	Mouse EPO	VR1012*	CMV	BGH
	VR2996	Mouse EPO	VR1012	MV/Desmi	n BGH
	VR3301	Human SEAP	VR1012*	CMV	BGH
	VR3502	Rat proinsulin	VR1012*	CMV	BGH
	VR4151	Human IFN-omega	VR1055	CMV	mRBG
	VR4700	Influenza NP	VR1255**	CMV	mRBG
	VR1418	Bacterial LacZ	VR1043	RSV	BGH
	VR1255	Firefly Lux	VR1223	CMV	mRBG
Inte	rmediate plasmic	ls			
	VR1012	none	V1J***	CMV	BGH
	VR1043	none	VR1343	RSV	BGH
	VR1055	none	VR1255	CMV	mRBG

Figure 2A





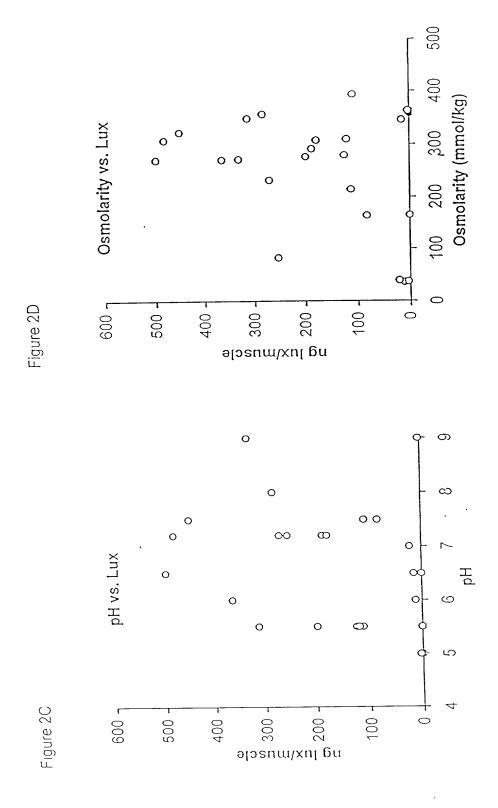


Figure 3

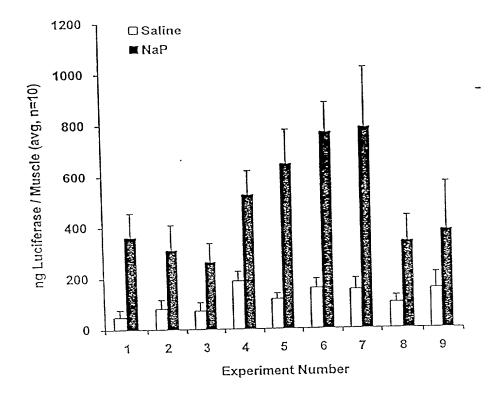
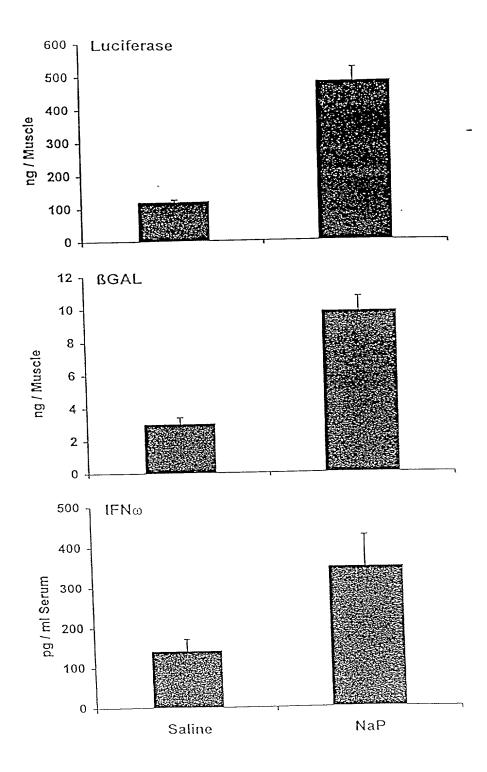
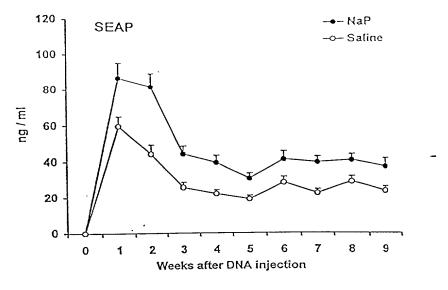
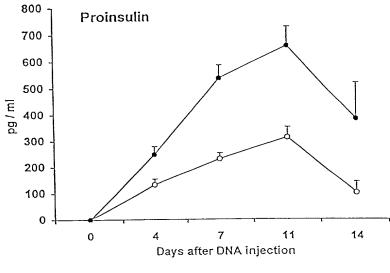
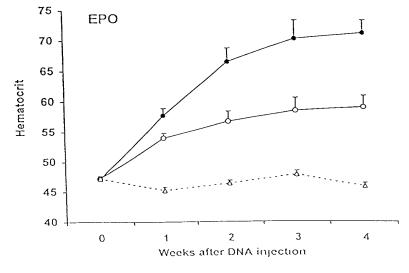


Figure 4









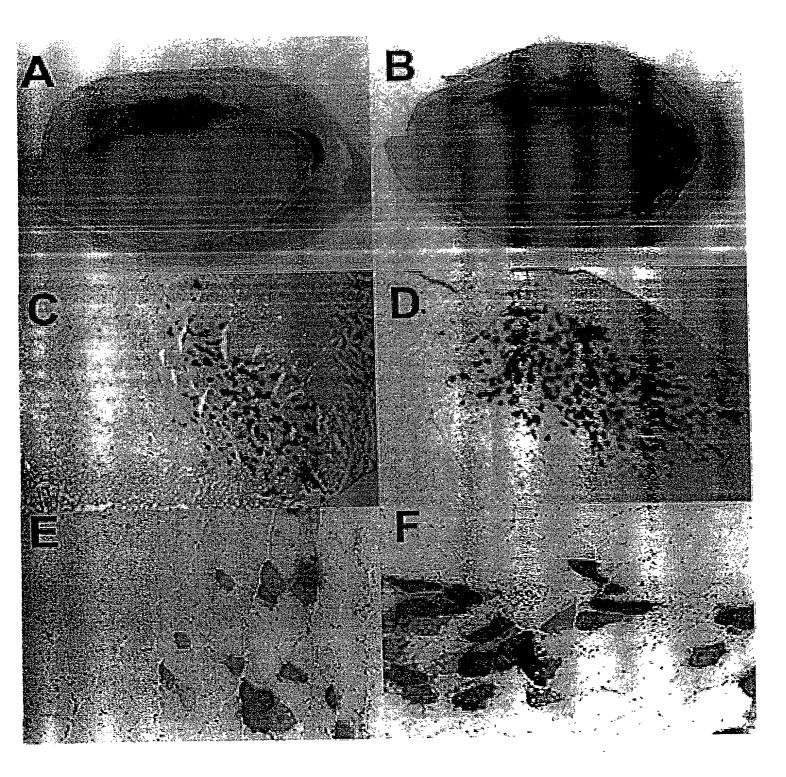


Figure 6,

Figure 7

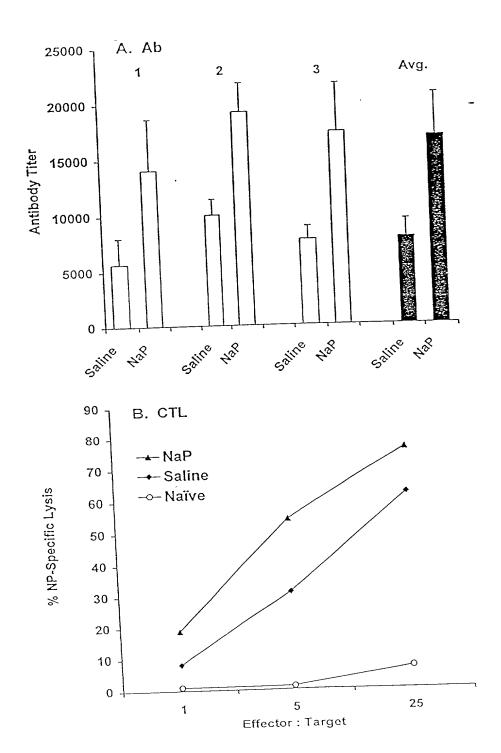
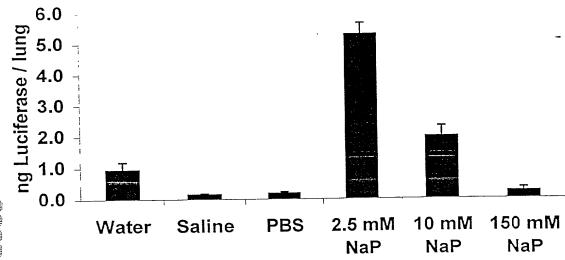


Figure 8



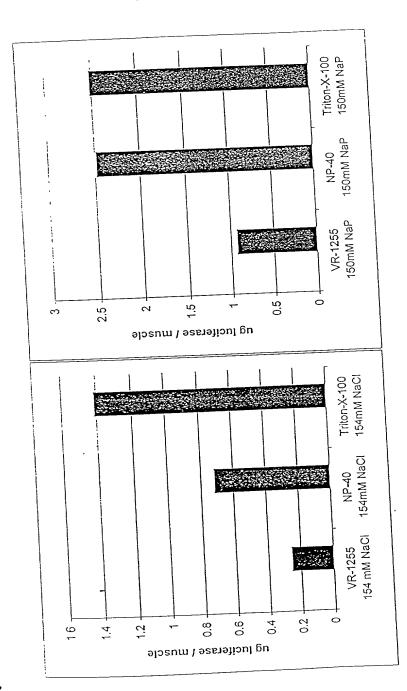
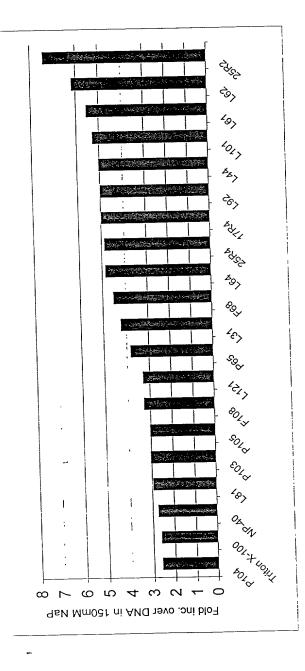
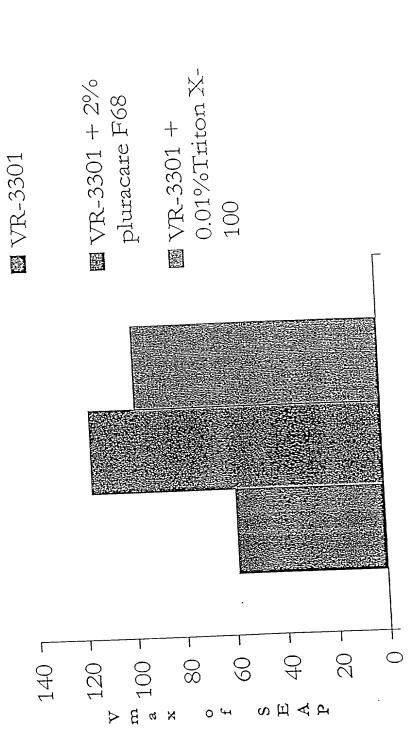


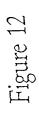
Figure 10



P104
Triton X-10
NP-40
L81
P103
P105
F108
L121
P65
L31
F68
L64
25R4
17R4
L92
L44
L101
L61
L62
25R2

Figure 11





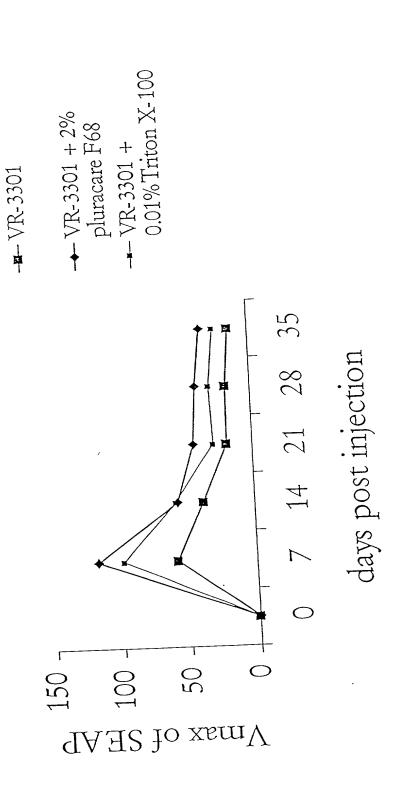


Figure 13

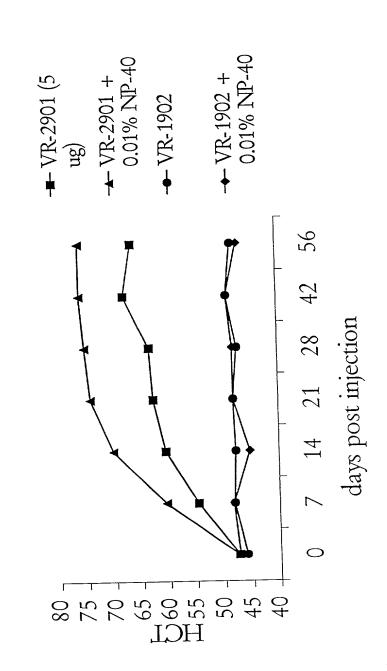


Figure 14

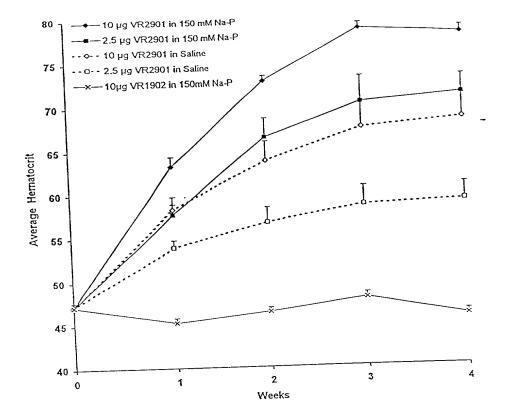
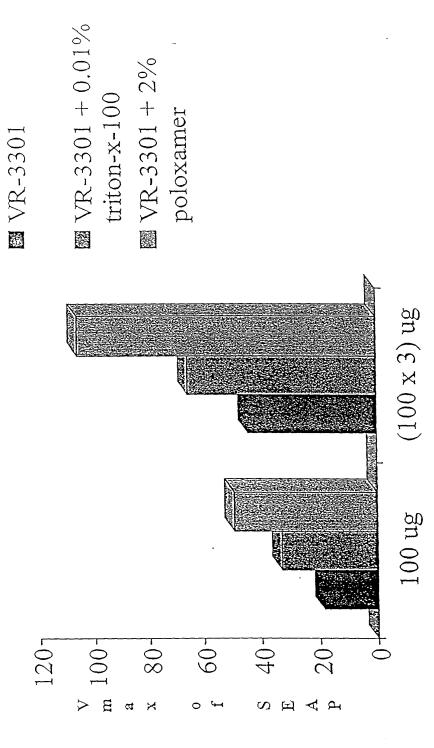


Figure 15



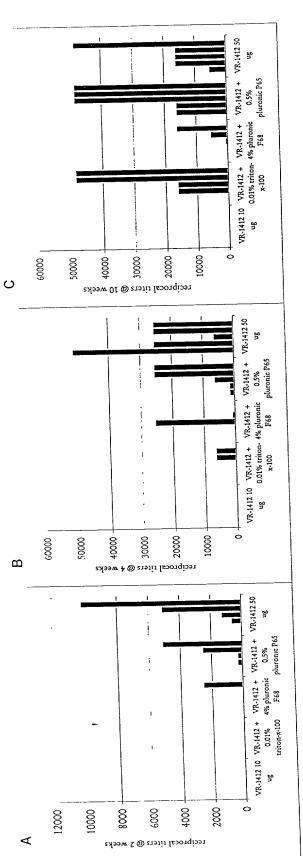


Figure 16

CTL activity is not inhibited when pDNA + poloxamer is administered

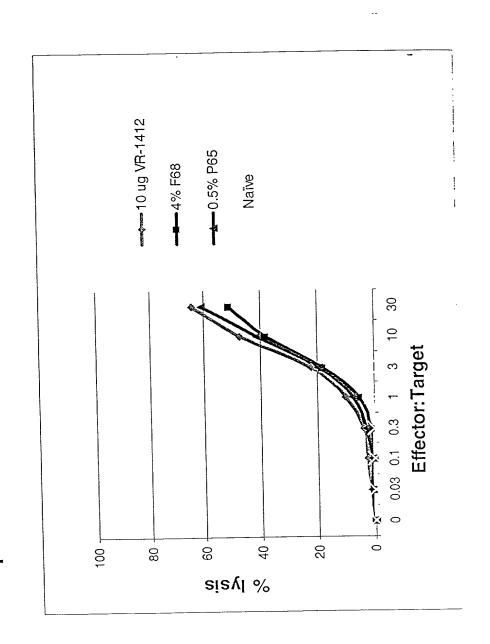


Figure. 16D

effects on IFNw pDNA mediated anti-tumor efficacy

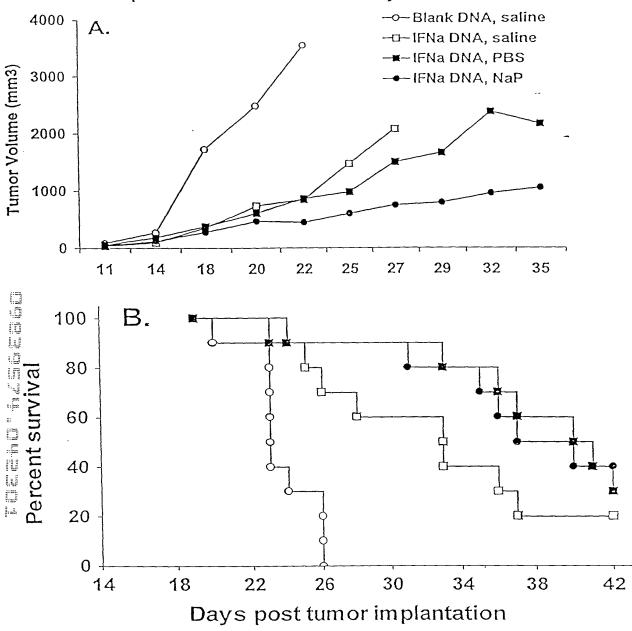


Figure 17

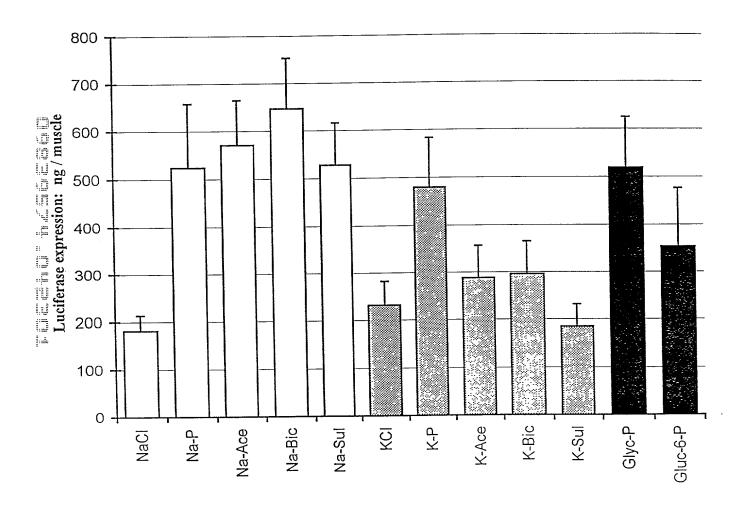
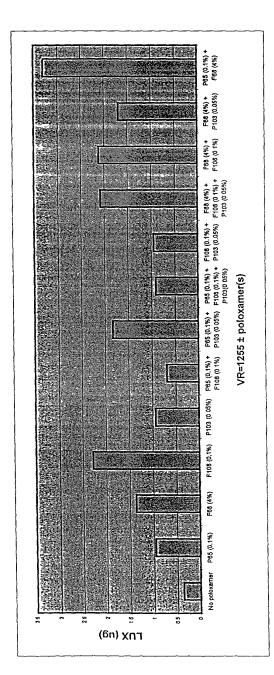
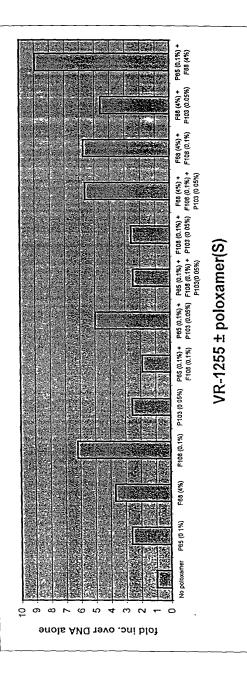


Figure 18

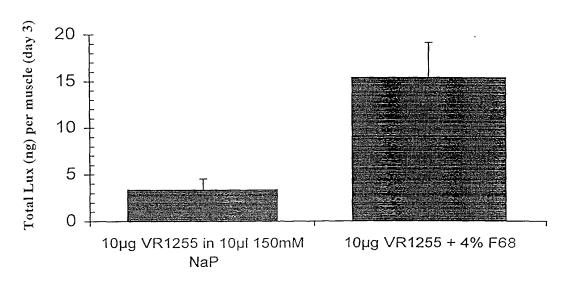
Figure 19





A

Day 3 luciferase expression after intramuscular administration of VR1255 ± poloxamer (F68)



Day 3 luciferase expression after intramuscular administration of VR1255 ± poloxamer (25R2)

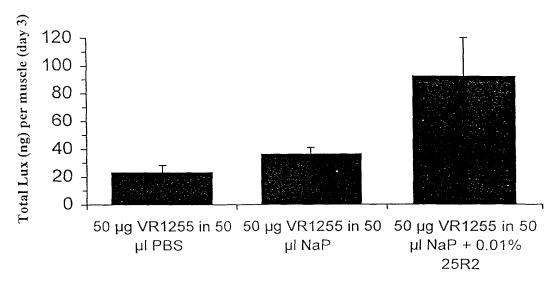
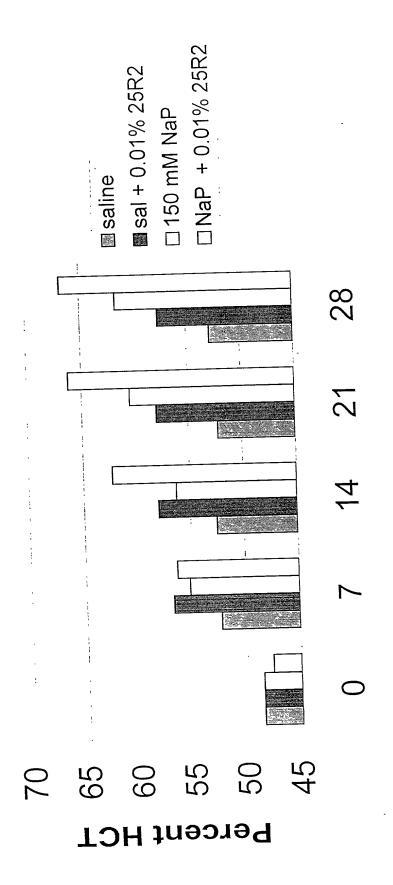


Figure 20

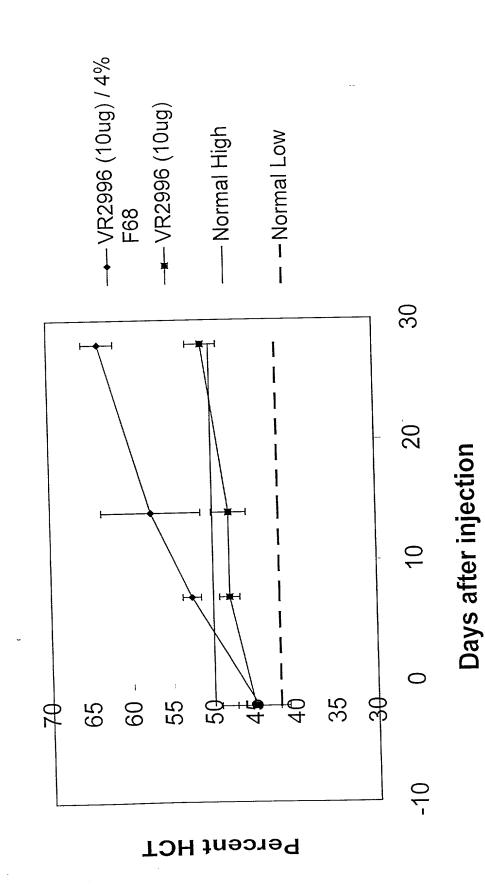
Hematocrit levels after a single dose (1 µg) of VR2901 ± poloxamer 25R2



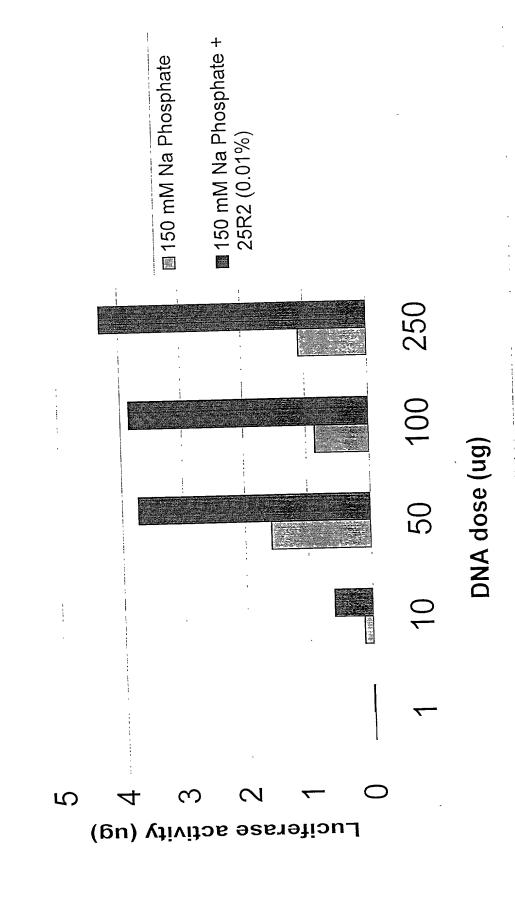
Days after injection

rig 23

HCT levels after administration of VR2996 + Poloxamer F68



DNA dose response after injection of VR1255 ± poloxamer (25R2)



Time course of expression after delivery of VR1255 ± 25R2 (0.01%)

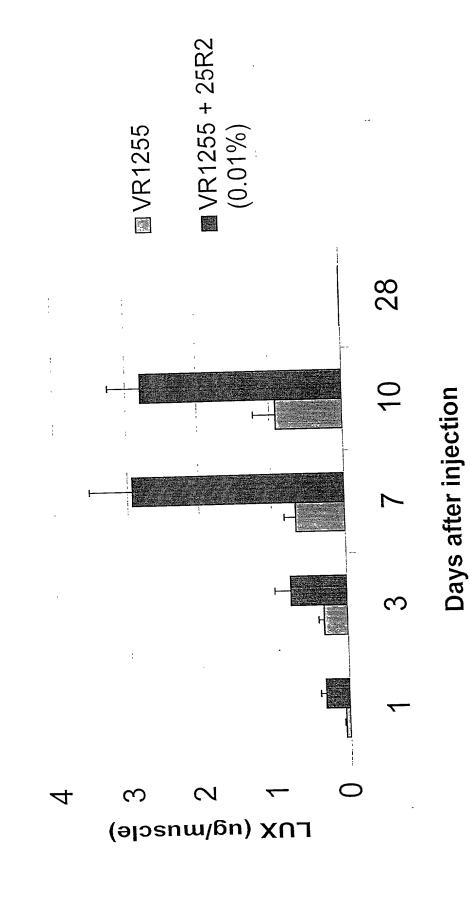


Figure 25

Transfection of mouse rectus femoris with VR1412 (pBgal) ± poloxamer 25R2 (0.01%)

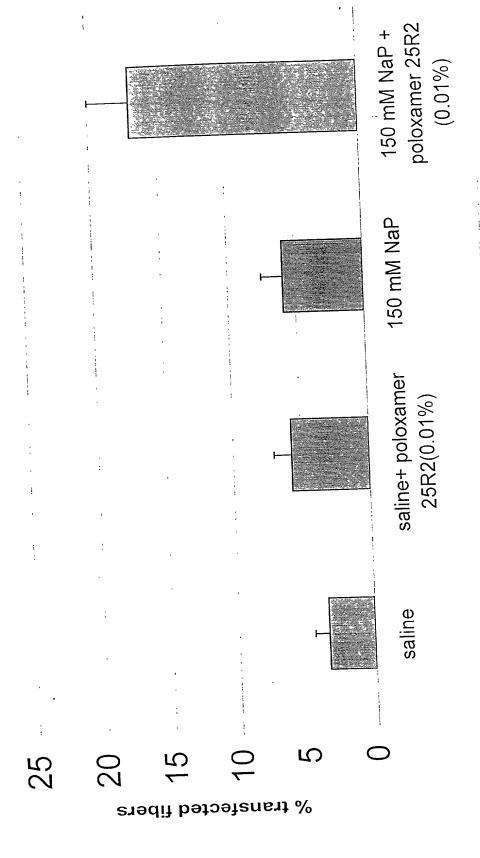
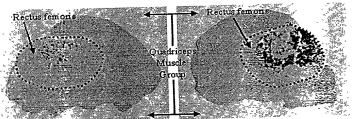


Figure 26

Targeted injections of 50 μg β-gal pDNA into murine rectus femoris (10 μm section stained with x-gal)



pDNA in saline, average transfection at 7 days

pDNA in Na-P + 25R2, average transfection at 7 days